MicroBooNE Progress

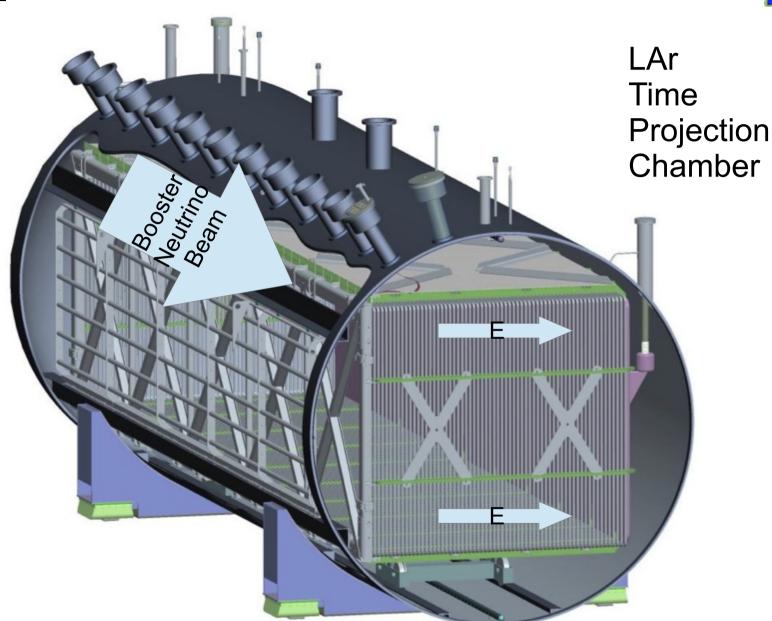
All Experimenters' Meeting

Fermilab 2013.07.08

Jason St. John University of Cincinnati



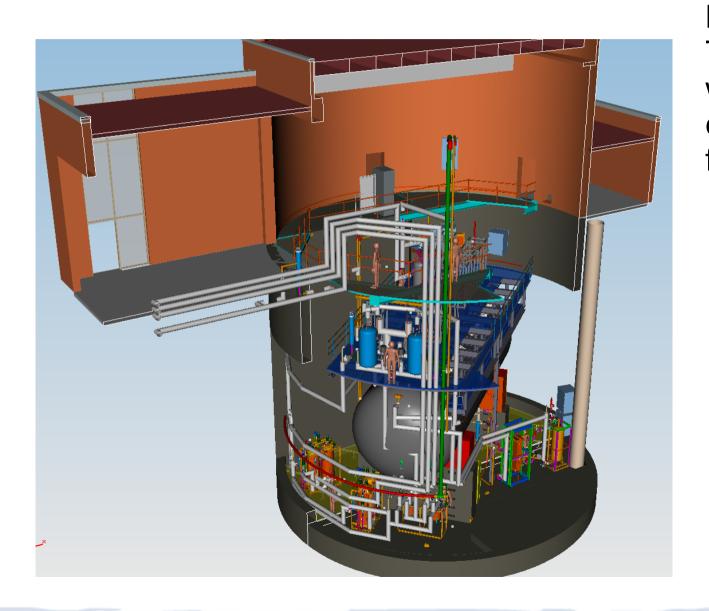




PMT's view LAr through sense wires







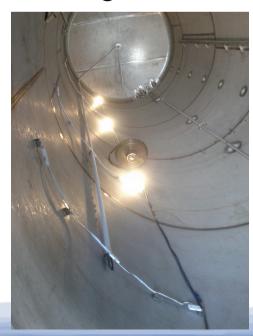
LAr
Test Facility
with LAr
cryo &
filtering





Cryostat

- delivered
- opened
- modified inside & out:
 - rails
 - sensors
 - feedthroughs
 - cleaning



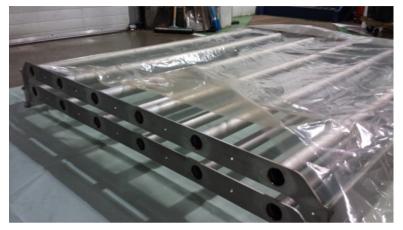


Jason St. John









Before

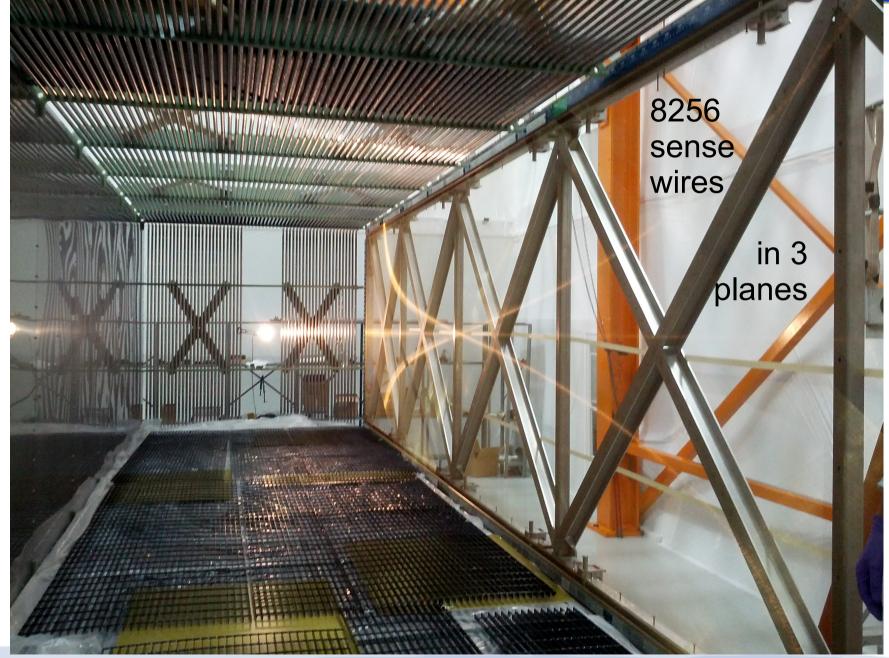


After







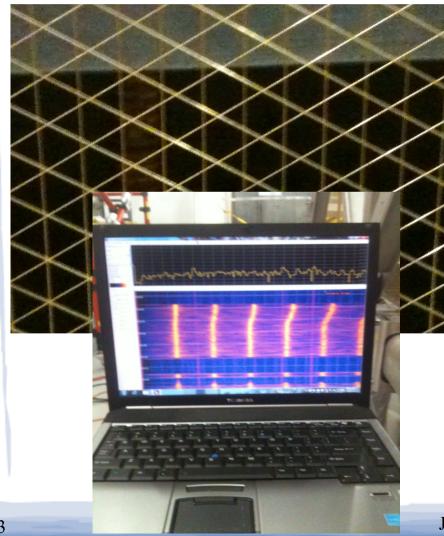






TPC test-fitted in cryostat_

Tensions measured by plucked resonance

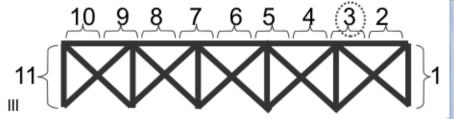






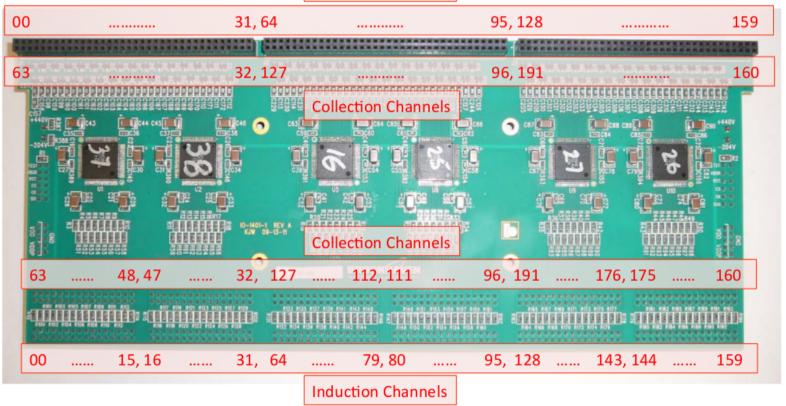


50 motherboards w/ ASICs in 11 feedthroughs



Mother Board

Induction Channels



BNLdesigned ASICs amplify & shape pulses

Reception tests to put them through their paces...







MicroBooNE Reception Tests (TPC readouts)







LAr Test Facility 'LArTF'

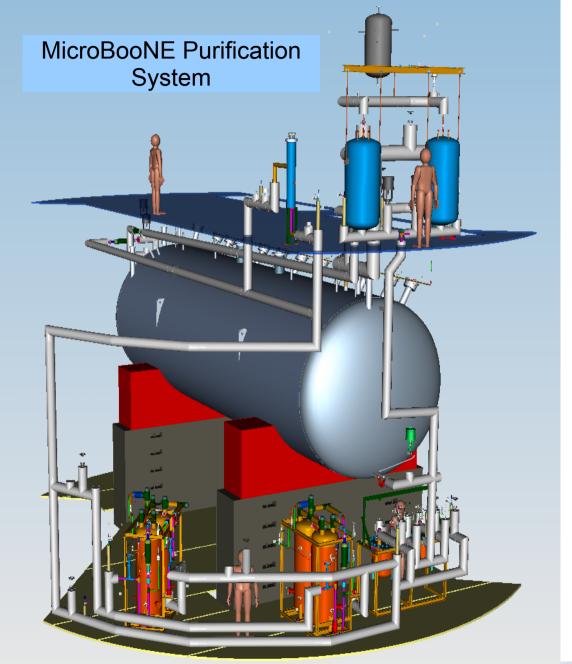


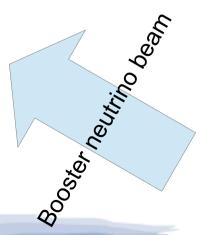


7/8/13



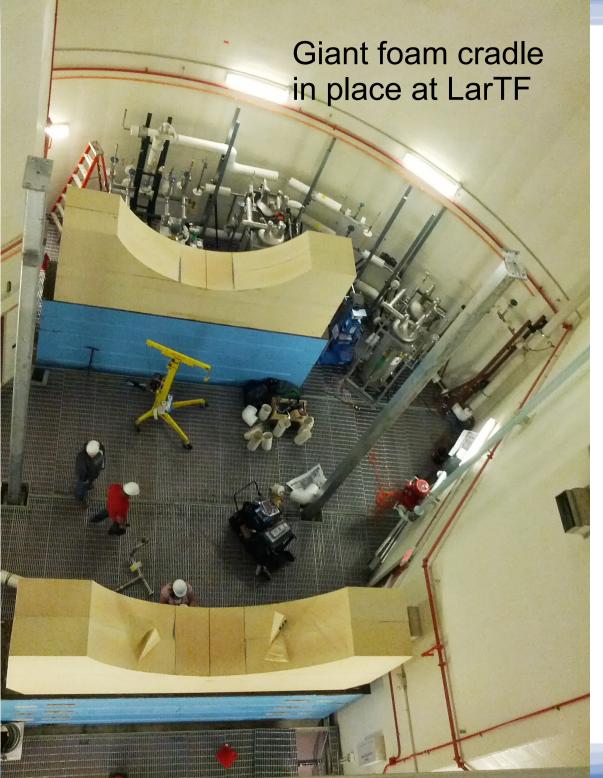






Jason St. John







Plumbing assemblies from Lab F staging & work grounds, quickly taking final positions.





...and one really giant compressor!

(Disassembled, cleaned, and delivered intact)







Lots of progress on many fronts:

Facility
Cryo & Filtering
Optical System
HV (not shown this talk)
and TPC Readout Electronics & DAQ

MicroBooNE will be ready for beam in 2014!

THANK YOU!